abcam

Product datasheet

Anti-JNK1 + JNK3 antibody [EPR16797-194] ab191603

Recombinant RabMAb

7 Images

Overview

Product name	Anti-JNK1 + JNK3 antibody [EPR16797-194]
Description	Rabbit monoclonal [EPR16797-194] to JNK1 + JNK3
Host species	Rabbit
Tested applications	**Suitable for:** WB, IP
Species reactivity	**Reacts with:** Mouse, Rat, Cow, Dog, Human, Xenopus tropicalis, Recombinant fragment
Immunogen	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: Full length human JNK1 and JNK3 recombinant proteins; K562, HeLa, Jurkat, C6, RAW 264.7, PC-12, NIH/3T3, Neuro-2a, MDCK and MDBK whole cell lysates; Mouse brain, mouse heart, mouse kidney and rat kidney lysates; Xenopus (X. tropicalis) muscle lysates. IP: K562 whole cell extract.
General notes	This product is a recombinant monoclonal antibody, which offers several advantages including: - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production For more information **see here**. Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to **RabMAb® patents**.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR16797-194

Isotype IgG

Applications

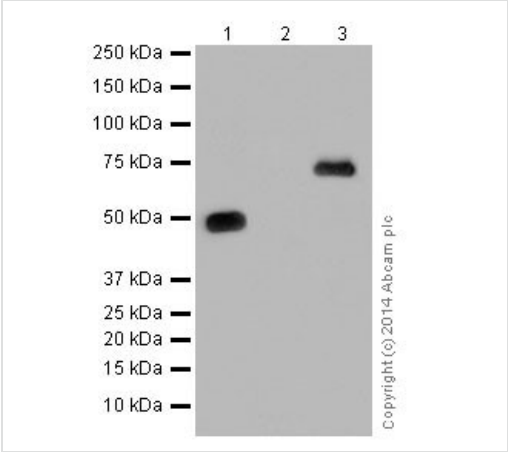
The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab191603 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000. Detects a band of approximately 54, 46 kDa (predicted molecular weight: 48 kDa).
IP		1/30.

Target

Images



Western blot - Anti-JNK1 + JNK3 antibody [EPR16797-194] (ab191603)

All lanes : Anti-JNK1 + JNK3 antibody [EPR16797-194] (ab191603) at 1/2000 dilution

Lane 1 : Full length human JNK1 recombinant protein
Lane 2 : Full length human JNK2 recombinant protein
Lane 3 : Full length human JNK3 recombinant protein

Lysates/proteins at 0.01 µg per lane.

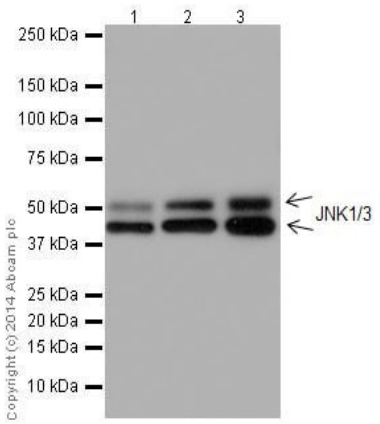
Secondary
All lanes : Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/1000 dilution

Predicted band size: 48 kDa
Observed band size: 48,71 kDa

Exposure time: 3 minutes

Recombinant full length JNK1 protein contains aa1-427 with His-Tag®. Recombinant full length JNK2 protein contains aa1-424 with GST-tag and JNK3 protein contains aa1-464 with GST-tag.

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-JNK1 + JNK3 antibody [EPR16797-194] (ab191603)

All lanes : Anti-JNK1 + JNK3 antibody [EPR16797-194] (ab191603) at 1/2000 dilution

Lane 1 : K562 (Human chronic myelogenous leukemia cells from bone marrow) whole cell lysate
Lane 2 : HeLa (Human epithelial cells from cervix adenocarcinoma) whole cell lysate
Lane 3 : Jurkat (Human T cell leukemia cells from peripheral blood) whole cell lysate

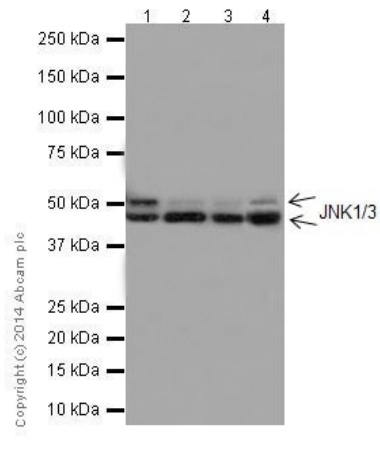
Lysates/proteins at 20 µg per lane.

Secondary
All lanes : Goat anti-Rabbit IgG, (H+L), peroxidase conjugated at 1/1000 dilution

Predicted band size: 48 kDa
Observed band size: 46,54 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-JNK1 + JNK3 antibody [EPR16797-194] (ab191603)

All lanes : Anti-JNK1 + JNK3 antibody [EPR16797-194] (ab191603) at 1/1000 dilution

Lane 1 : Mouse brain tissue lysate
Lane 2 : Mouse heart tissue lysate
Lane 3 : Mouse kidney tissue lysate
Lane 4 : Rat kidney tissue lysate

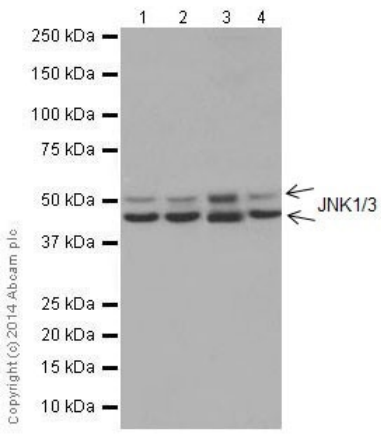
Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 48 kDa
Observed band size: 46,54 kDa

Exposure time: 1 minute

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-JNK1 + JNK3 antibody [EPR16797-194] (ab191603)

All lanes : Anti-JNK1 + JNK3 antibody [EPR16797-194] (ab191603) at 1/1000 dilution

Lane 1 : C6 (Rat glial tumor cell line) whole cell lysate
Lane 2 : RAW 264.7 (Mouse macrophage cells transformed with Abelson murine leukemia virus) whole cell lysate
Lane 3 : PC-12 (Rat adrenal gland pheochromocytoma cell line) whole cell lysate
Lane 4 : NIH/3T3 (Mouse embryonic fibroblast cell line) whole cell lysate

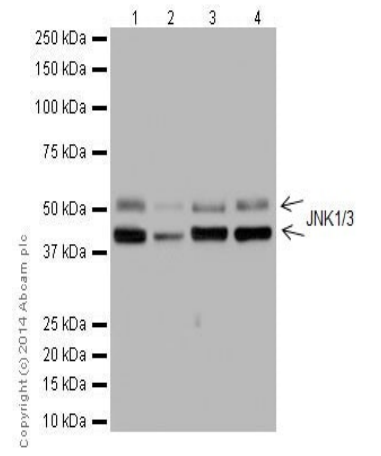
Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/1000 dilution

Predicted band size: 48 kDa
Observed band size: 46,54 kDa

Exposure time: 30 seconds

Blocking/Dilution buffer: 5% NFDM/TBST.



Western blot - Anti-JNK1 + JNK3 antibody [EPR16797-194] (ab191603)

All lanes : Anti-JNK1 + JNK3 antibody [EPR16797-194] (ab191603) at 1/2000 dilution

Lane 1 : Neuro-2a (Mouse neuroblastoma cells) whole cell lysate
Lane 2 : Xenopus (X. tropicalis) muscle lysates
Lane 3 : MDCK (Canine kidney cell line) whole cell lysate
Lane 4 : MDBK (Bovine kidney cell line) whole cell lysate

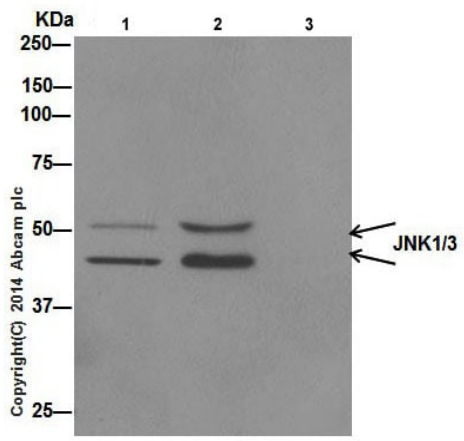
Lysates/proteins at 10 µg per lane.

Secondary
All lanes : Goat Anti-Rabbit IgG, (H+L),Peroxidase conjugated at 1/1000 dilution

Predicted band size: 48 kDa
Observed band size: 46,54 kDa

Exposure time: 3 minutes

Blocking/Dilution buffer: 5% NFDM/TBST.



Immunoprecipitation - Anti-JNK1 + JNK3 antibody [EPR16797-194] (ab191603)

JNK1 + JNK3 were immunoprecipitated from 1mg of K562 (Human chronic myelogenous leukemia cells from bone marrow) whole cell extract with ab191603 at 1/30 dilution. Western blot was performed from the immunoprecipitate using ab191603 at 1/1000 dilution. Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/1500 dilution.

Lane 1: K562 whole cell extract 10 µg (Input).

Lane 2: ab191603 IP in K562 whole cell extract.

Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab191603 in K562 whole cell extract.

Blocking and dilution buffer and concentration: 5% NFDM/TBST.

Anti-JNK1 + JNK3 antibody [EPR16797-194] (ab191603)

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